UCRL-JC-124665 Abs

Abstract for APS Plasma Physics meeting

Indirect Drive Measurements on Omega. R.E. TURNER, O.L. LANDEN, H.N. KORNBLUM, P. AMENDT, C. DECKER, B.A. HAMMEL, R. MORALES, L.J. SUTER, and R.J. WALLACE, *Lawrence Livermore National Laboratory*, T.J. MURPHY, P. GOBBY, A.A. HAUER, *Los Alamos National Laboratory*, J. KNAUER, F.J. MARSHALL, D. BRADLEY, R. KECK, J. KELLY, R. KREMENS, W. SEKA, J.M. SOURES, *University of Rochester Laboratory for Laser Energetics*.. We report on absolute time-resolved measurements of the soft x-ray drive and drive spectrum obtained from thin walled hohlraums irradiated on the University of Rochester's Omega laser. The targets were designed to minimize the chamber debris threat and simplify alignment, yet not compromise data acquisition. We will report on drive differences obtained when the laser entrance hole size was varied. We also will report on changes noted in the x-ray drive when a third cone of beams was added which had a shallow angle of incidence on the interior walls. Comparisons of radiation temperature and x-ray spectral content will be made to Nova data.

Work performed by LLNL for USDOE under Contract W7405-ENG-48